



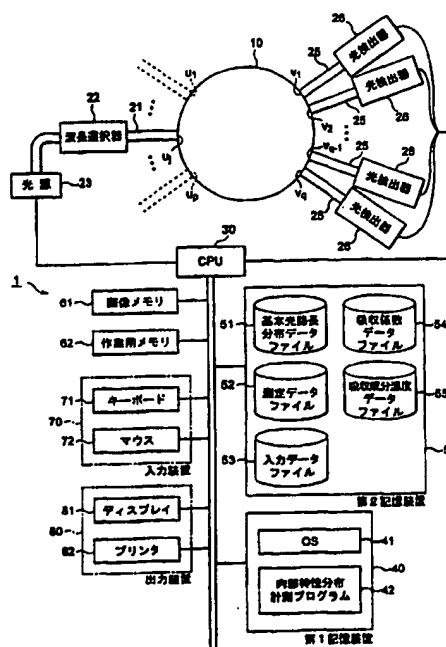
(51) 国際特許分類6 G01N 21/17	A1	(11) 国際公開番号 WO99/61893  (43) 国際公開日 1999年12月2日(02.12.99)
(21) 国際出願番号 PCT/JP99/02696 (22) 国際出願日 1999年5月24日(24.05.99) (30) 優先権データ 特願平10/144300 1998年5月26日(26.05.98) JP (71) 出願人 (米国を除くすべての指定国について) 浜松ホトニクス株式会社 (HAMAMATSU PHOTONICS K.K.)[JP/JP] 〒435-8558 静岡県浜松市市野町1126番地の1 Shizuoka, (JP) (72) 発明者; および (75) 発明者/出願人 (米国についてのみ) 土屋 裕(TSUCHIYA, Yutaka)[JP/JP] 〒435-8558 静岡県浜松市市野町1126番地の1 浜松ホトニクス株式会社内 Shizuoka, (JP) (74) 代理人 弁理士 長谷川芳樹, 外(HASEGAWA, Yoshiki et al.) 〒104-0031 東京都中央区京橋二丁目13番10号 京橋ナショナルビル6F 創英国際特許法律事務所 Tokyo, (JP)	(81) 指定国 AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, 欧州特許 (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI特許 (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG), ARIPO特許 (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), ユーラシア特許 (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM) 添付公開書類 国際調査報告書	

(54) Title: METHOD AND DEVICE FOR MEASURING INTERNAL CHARACTERISTIC DISTRIBUTION OF SCATTERING/ABSORBING BODY

(54) 発明の名称 散乱吸収体の内部特性分布の計測方法及び装置

(57) Abstract

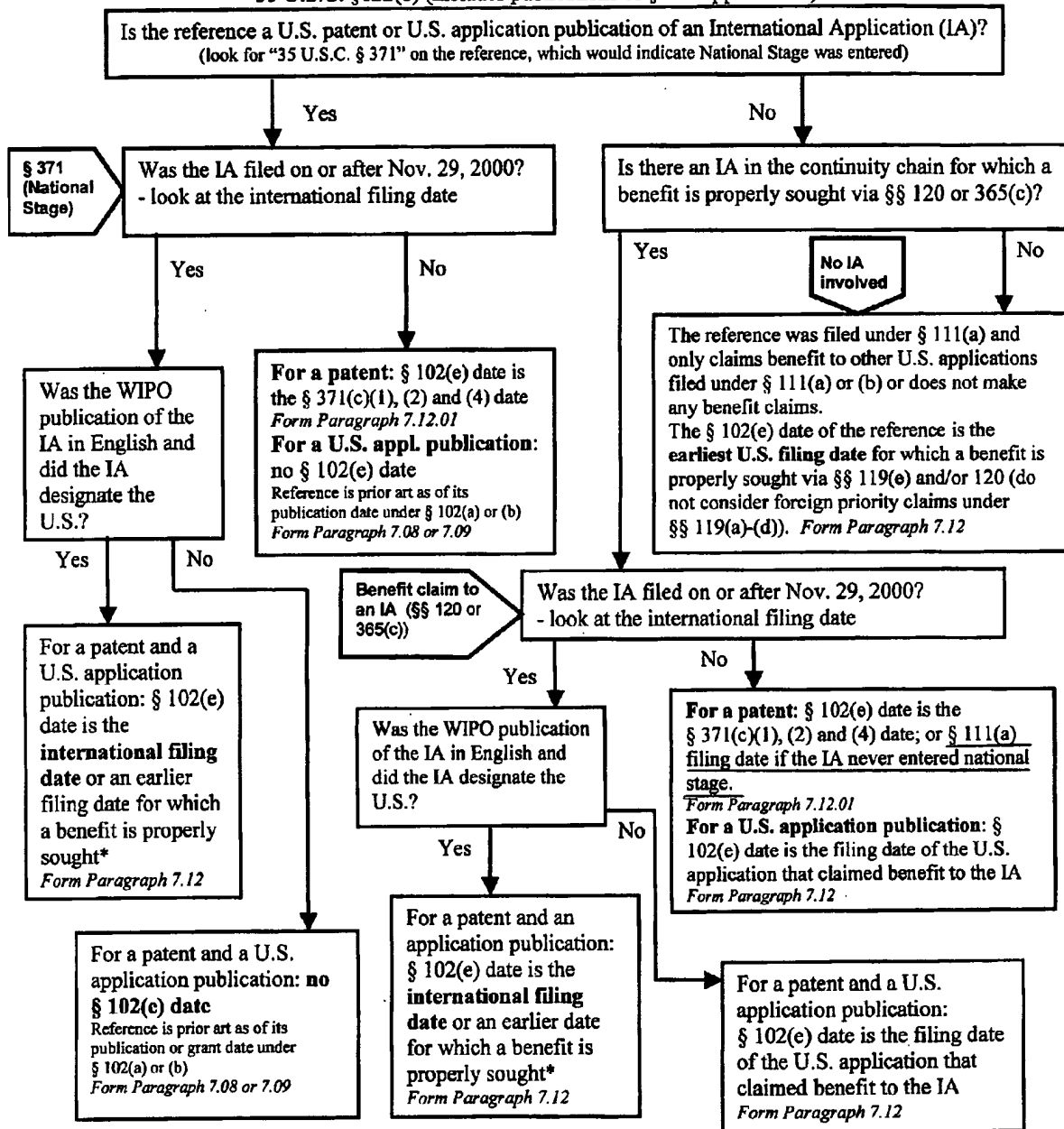
A method of measuring the internal characteristic distribution of a scattering/absorbing body, comprising allowing a light beam to enter a medium to be measured, detecting the light beam transmitted through the medium, collecting measured values of a predetermined parameter for each of combinations of the position where the light beam enters and the position where the light beam is detected, setting a reference value of the absorption coefficient, finding estimated values of the parameter for each of the combinations, defining a weight function for each voxel according to the micro-Beer-Lambert's law, calculating the differences in absorption coefficient between voxels by using the measured values of the parameter, the estimated values, and the weight function, and calculating the absolute values of the absorption coefficients of the voxels.



22 ... WAVELENGTH SELECTOR  
23 ... LIGHT SOURCE  
26 ... PHOTODETECTOR  
40 ... FIRST STORAGE  
42 ... INTERNAL CHARACTERISTIC DISTRIBUTION MEASURING PROGRAM  
50 ... SECOND STORAGE  
51 ... BASIC OPTICAL PATH LENGTH DISTRIBUTION DATA FILE  
52 ... MEASURED DATA FILE  
53 ... INPUT DATA FILE  
54 ... ABSORPTION COEFFICIENT DATA FILE  
55 ... ABSORPTION COEFFICIENT DATA FILE  
61 ... IMAGE MEMORY  
62 ... WORK MEMORY  
70 ... INPUT DEVICES  
71 ... KEYBOARD  
72 ... MOUSE  
80 ... OUTPUT DEVICES  
81 ... DISPLAY  
82 ... PRINTER

**FLOWCHARTS FOR 35 U.S.C. § 102(e) DATES:**

**Apply to all applications and patents, whenever filed**  
**Chart I: For U.S. patent or U.S. patent application publication under**  
**35 U.S.C. §122(b) (includes publications of § 371 applications)**



\* Consider benefit claims properly made under § 119(e) to U.S. provisional applications, § 120 to U.S. nonprovisional applications, and § 365(c) involving IAs. Do NOT consider foreign priority claims.